COMPLETE LISTING OF ALL CLAIMS

| 1 | Clai | m 1. (original) A microelectromechanical apparatus comprising: |
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| 2 | | a base; |
| 3 | | a flap having a portion coupled to the base so that the flap is movable out of the plane |
| 4 | | of the base from a first angular orientation to a second angular orientation; |
| 5 | | wherein the base has an opening that receives the flap when the flap is in the second |
| 6 | | angular orientation, the opening having one or more sidewalls, wherein at least one of |
| 7 | | the sidewalls contacts a portion of the flap such that the flap assumes an orientation |
| 8 | | substantially parallel to that of the sidewall when the flap is in the second angular |
| g. | | orientation; and |
| () | | a sidewall electrode disposed in one or more of the sidewalls. |
| 1 | Claim 2 | (original) The microelectromechanical apparatus of claim 1 wherein the flap |
| 2 | | further comprises a magnetically active element. |
| 1 | Claim 3 | (original) The microelectromechanical apparatus of claim 2 wherein the |
| 2 | | magnetically active element is a magnetic material. |
| 1 | Claim 4 | (original) The microelectromechanical apparatus of claim 2 wherein the |
| 2 | | magnetically active element is a coil. |
| 1 | Claim 5 | (original) The microelectromechanical apparatus of claim 2 further comprising an |
| 2 | | external magnet. |
| 1 | Claim 6 | o. (original) The apparatus of claim 1 wherein the flap is connected to the base by |
| 2 | | one or more flexures. |
| 1 | Claim 7 | (currently amended) The apparatus of claim [[7]] 6 wherein at least one flexure is |
| 2 | | electrically conductive. |
| 1 | Claim 8 | 3. (original) The microelectromechanical apparatus of claim 1 further comprising a |
| 2 | | light-deflecting element disposed on the flap. |
| 1 | Claim 9 | o. (original) The microelectromechanical apparatus of claim 1, wherein the sidewall |
| 2 | | electrode is electrically isolated from the base. |

| 1 | Claim | 10. (original) The microelectromechanical apparatus of claim 1 further comprising: |
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| 2 | | a voltage source coupled between the flap and the sidewall electrode to apply an |
| 3 | | electrostatic force between the sidewall electrode and the flap. |
| 1 | Claim 1 | 11. (original) The apparatus of claim 10 wherein the flap contains a magnetically |
| 2 | | active material and the electrostatic force between the sidewall electrode and the flap |
| 3 | | is sufficient to prevent the flap from changing position in the presence of an applied |
| 4 | | magnetic field. |
| 1 | Claim : | 12. (original) The apparatus of claim 1 further comprising: |
| 2 | | an electrode disposed on the base; and |
| 3 | | a voltage source coupled between the electrode in the base and the flap to apply an |
| 4 | | electrostatic force between the electrode in the base and the flap. |
| 1 | Claim | 13. (original) The apparatus of claims 1 where the base is made from a substrate |
| 2 | | portion of an SOI (silicon-on-insulator) wafer and the flap is defined from a device |
| 3 | | layer portion of the SOI wafer. |
| 1 | Claim | 14. (currently amended) The apparatus of claim [[1]] 6 wherein the one or more |
| 2 | | flexures include one or more torsional beams. |
| 1 | Claim 1 | 15. (original) The apparatus of claim 1, further comprising one or more conductive |
| 2 | | landing pads disposed on an underside of the flap wherein the one or more conductive |
| 3 | | landing pads are electrically isolated from the flap. |
| 1 | Claim | 16. (original) The apparatus of claim 15, wherein one or more of the conductive |
| 2 | | landing pads are electrically coupled to a sidewall electrode. |
| 1 | Claim | 17. (original) The apparatus of claim 15 wherein one or more of the conductive |
| 2 | | landing pads is electrically coupled to the base. |
| 1 | Claim | 18. (original) The apparatus of claim 1 wherein the sidewall includes a sidewall |
| 2 | | electrode and one or more conductive landing pads that are electrically isolated from |
| 3 | | the sidewall electrode. |

| 1 | Claim 19. (original) The apparatus of claim 18 wherein one or more of the landing pads are |
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| 2 | electrically coupled to the flap. |
| 1 | Claim 20. (original) The apparatus of claim 18 wherein the sidewall electrode is electrically |
| 2 | isolated from the base. |
| 1 | Claim 21. (original) An array of one or more structures, wherein each structure comprises: |
| 2 | a base; |
| 3 | a flap having a portion coupled to the base so that the flap is movable out of the plane |
| 4 | of the base from a first angular orientation to a second angular orientation, the flap |
| 5 | containing a reflecting element; |
| 6 | wherein the base has an opening with largely vertical sidewalls, at least one of the |
| 7 | sidewalls containing an electrode, wherein the sidewalls contact a portion of the flap |
| 8 | such that the flap assumes an orientation substantially parallel to that of the sidewall |
| 9 | when the flap is in the second angular orientation. |
| 1 | Claim 22. (original) An array of claim 21 wherein one or more of the structures includes a |
| 2 | sidewall electrode disposed in one or more of the sidewalls. |
| 1 | Claim 23. (original) The array of claim 21, wherein the sidewall electrode is electrically |
| 2 | isolated from the base. |
| 1 | Claim 24. (original) An array of claim 21 wherein the array forms an optical switch. |
| 1 | Claim 25. (original) An apparatus comprising: |
| 2 | a flap that is movable from a first angular orientation to a second angular orientation; |
| 3 | and |
| 4 | a magnetic material disposed on the flap, the magnetic material having a stepped |
| 5 | pattern. |
| 1 | Claim 26. (cancel) |
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